

## ABSTRACT

A gas supply arrangement of a marine vessel being adapted to carry liquefied gas in its cargo tank having an ullage space section and a liquid phase section, and to utilize the cargo as fuel to provide power for the vessel, the arrangement comprising a first gas supply line which connects an ullage space section of the cargo tank and a gas main supply line and which is provided with a compressor for raising the pressure of the gas to an adequate level, a second gas supply line which connects liquid phase section of the cargo tank and the gas main supply line and which is provided with at least a pump for raising the pressure of the liquid gas and for pumping it forward. The second gas supply line is provided with a gas reservoir having an ullage space section and liquid phase section, which reservoir is connected to the liquid phase section of the cargo tank by a first duct section of the second gas supply line and to the gas main supply line by a second duct section of the second gas supply line. The invention relates also to corresponding method.